



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Chang et al.**

Serial No.: **09/737,430**

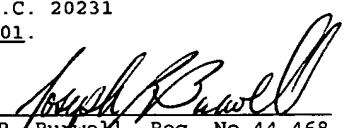
Filing Date: **12/15/2000**

**For: Method and system for unambiguous addressability in a distributed application framework in which duplicate network addresses exist across multiple customer networks**

§ Group Art Unit: **2153**

§ Examiner: **Unknown**

§ Attorney Docket No.: **AUS9-2000-0698-US1**

<p align="center"><u>Certificate of Mailing</u> <u>Under 37 C.F.R. § 1.8(a)</u></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on <u>May 30, 2001</u>.</p> <p>By:  Joseph R. Burwell, Reg. No 44,468</p>
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**LETTER TO OFFICIAL DRAFTSPERSON**

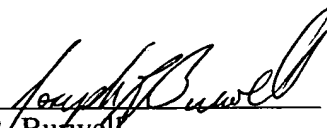
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Submitted herewith are formal drawings (12 sheets) for the above-identified application.

DATE: May 30, 2001

Respectfully submitted,

  
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Reg. No. 44,468  
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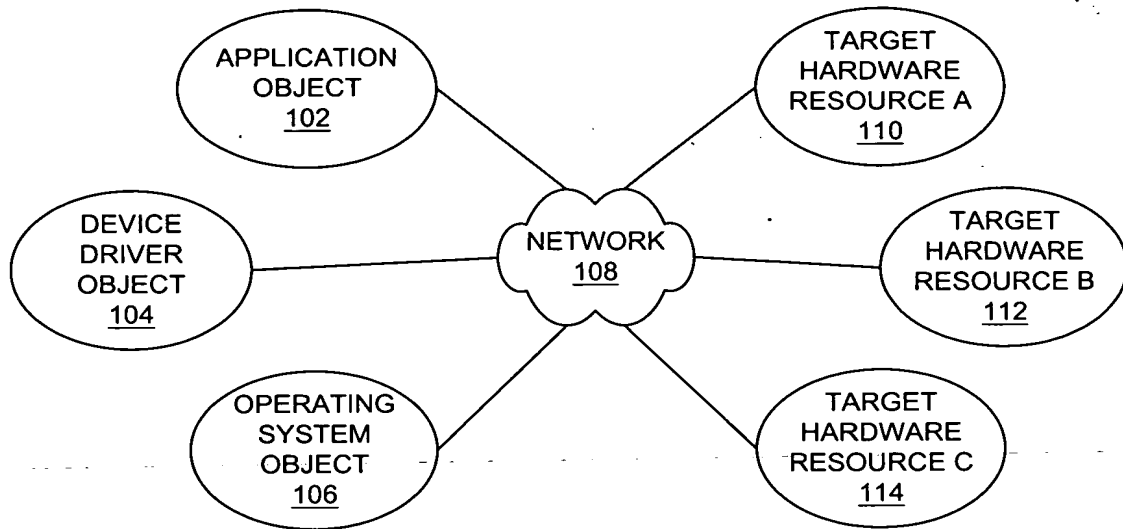


FIG. 1A  
(PRIOR ART)

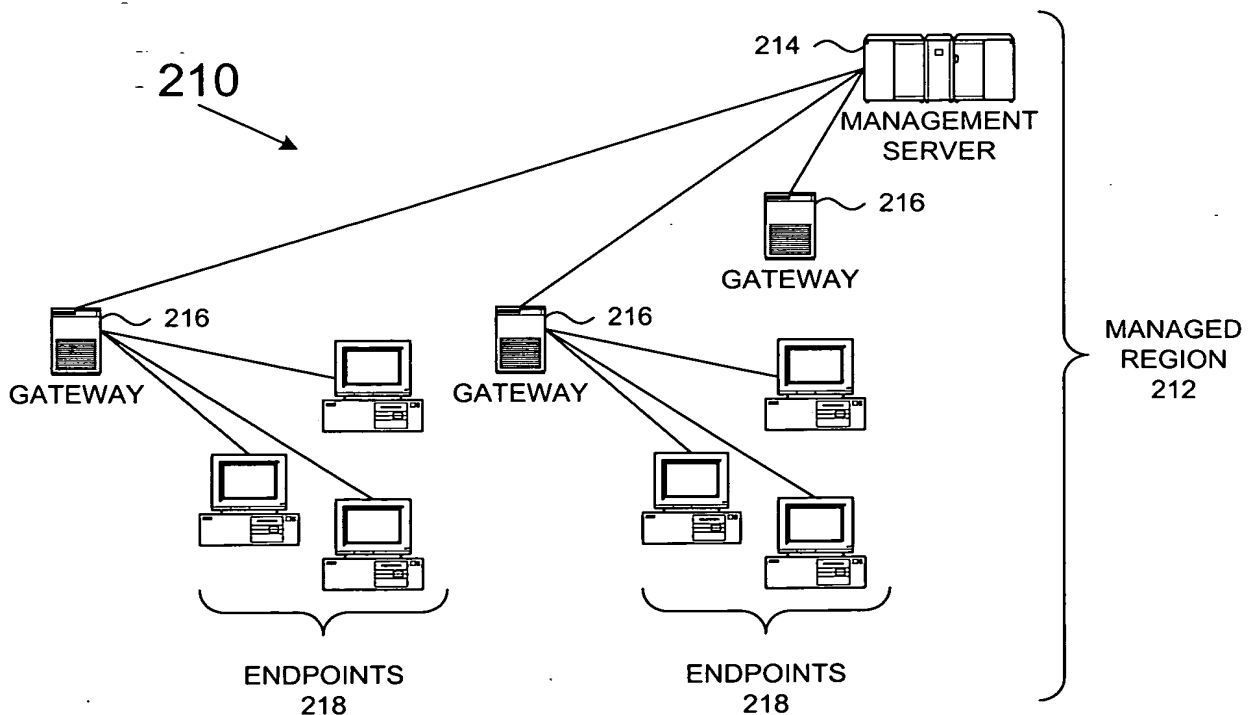


FIG. 2A

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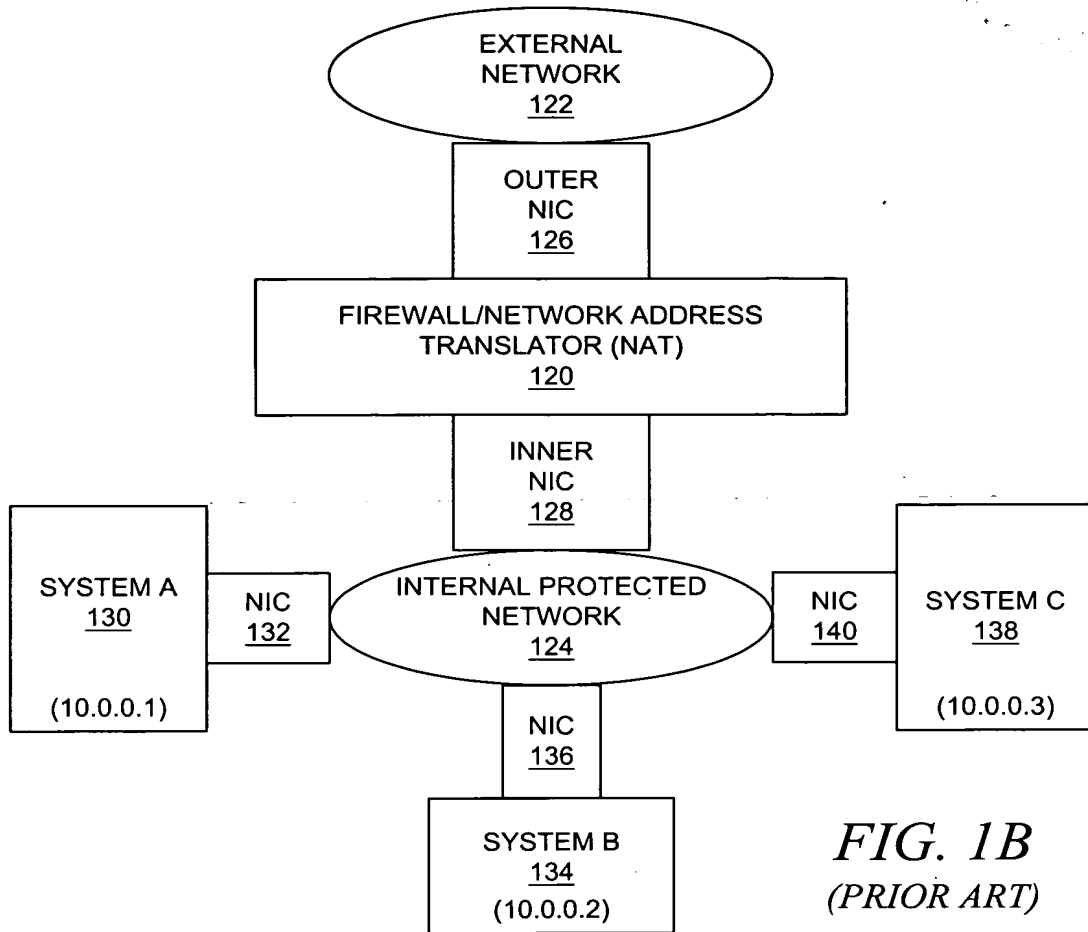


FIG. 1B  
(PRIOR ART)

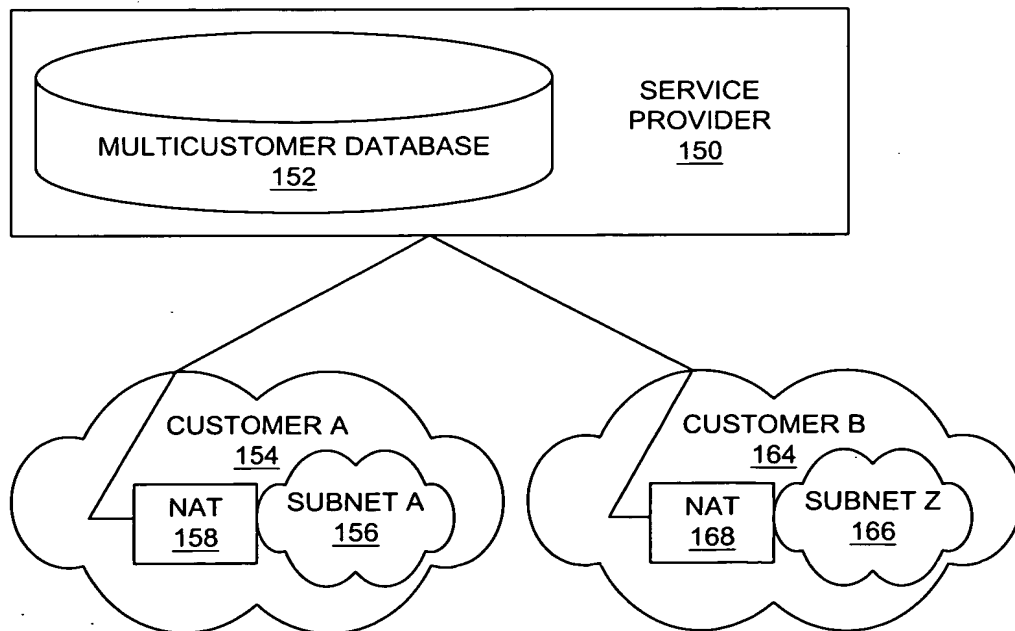


FIG. 1C

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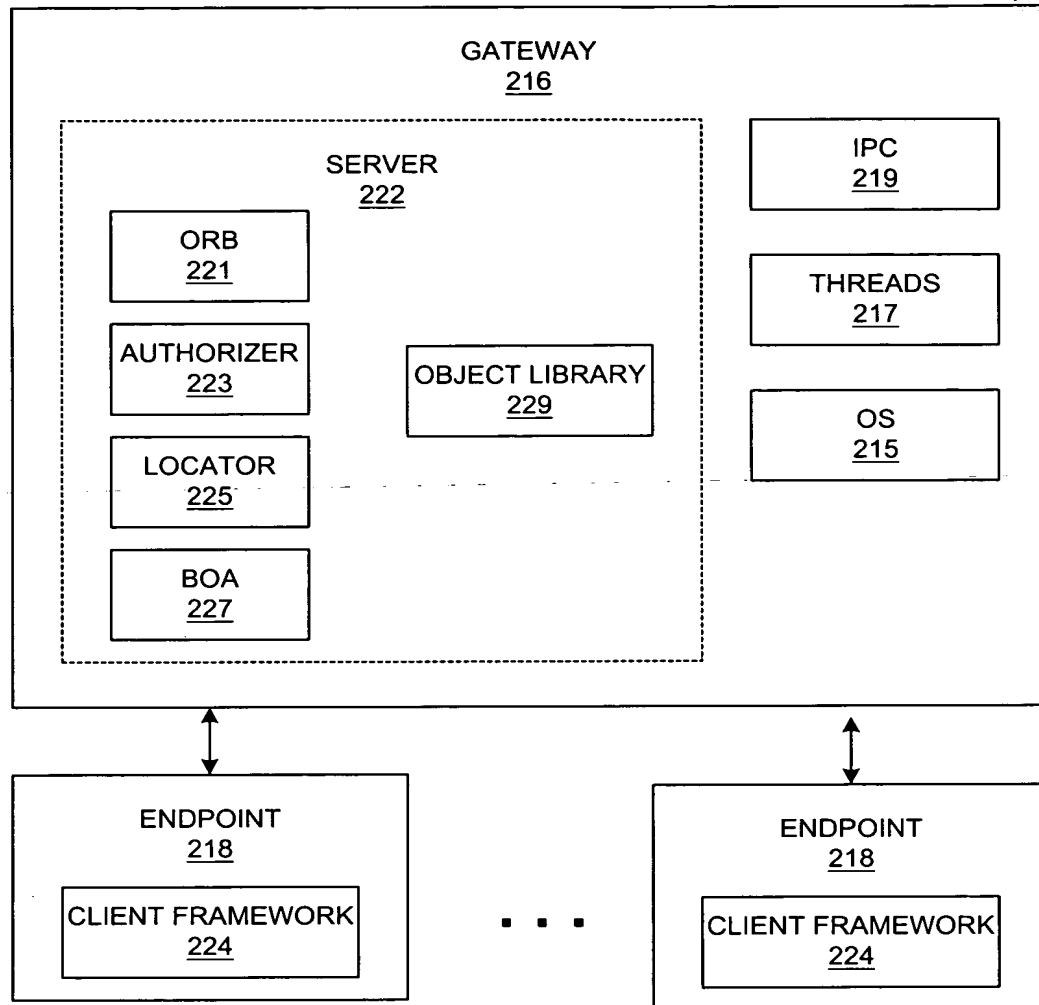


FIG. 2B

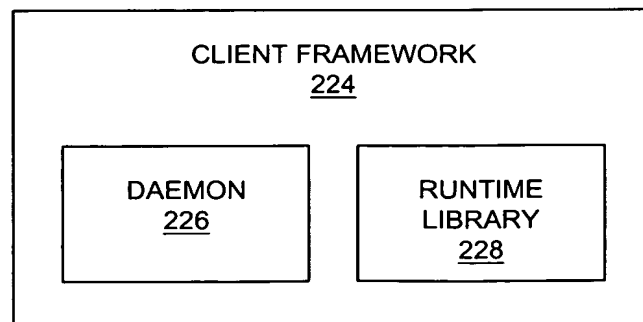


FIG. 2C

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Method and system for unambiguous addressability in a distributed application framework  
in which duplicate network addresses exist across multiple customer networks

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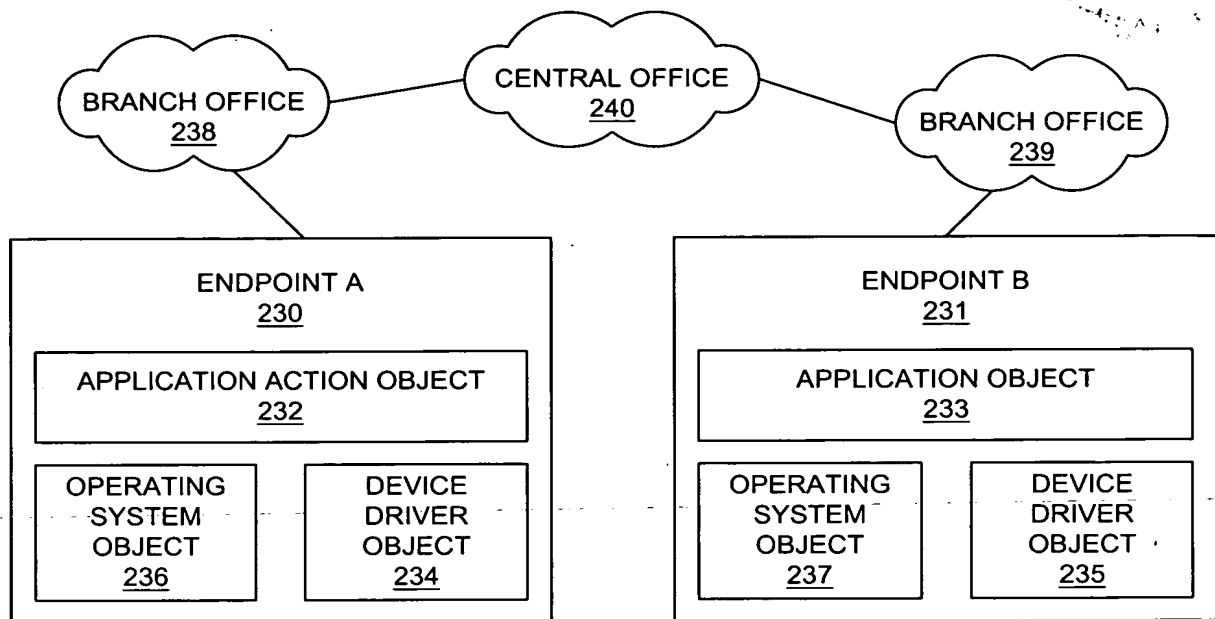


FIG. 2D

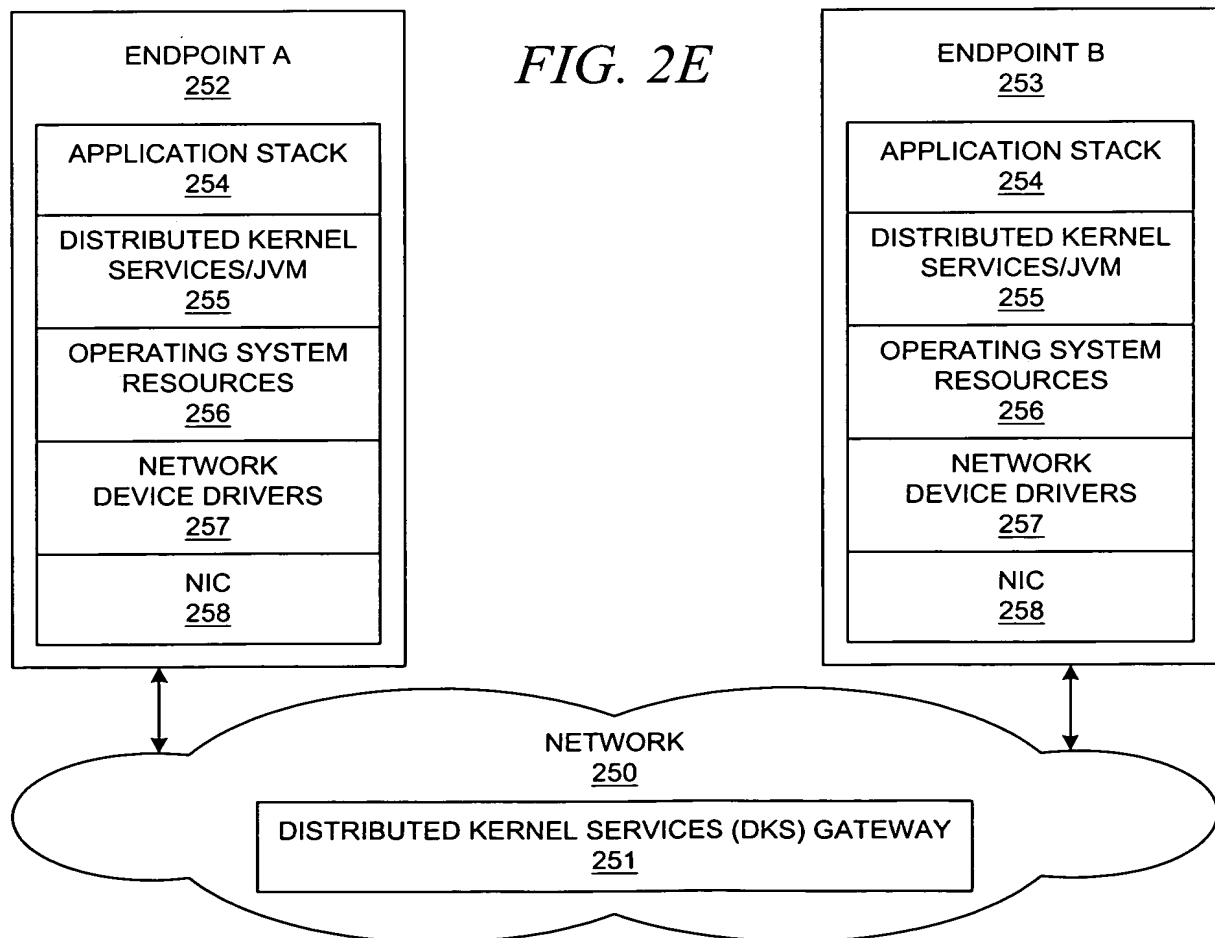


FIG. 2E

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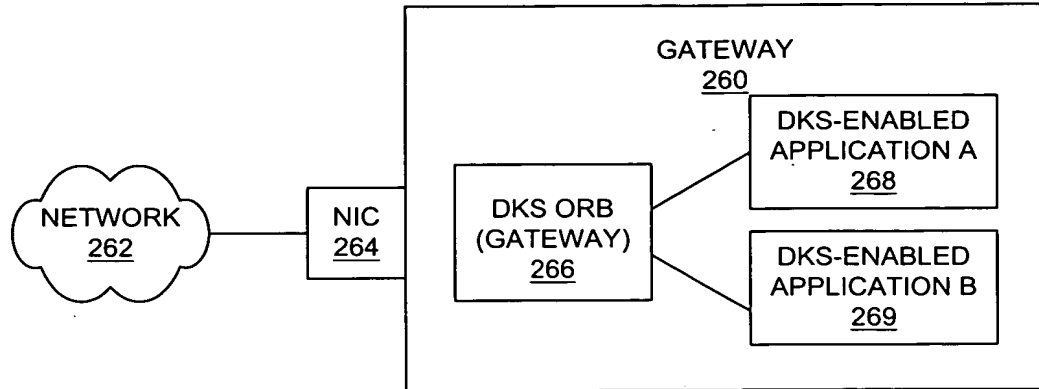


FIG. 2F

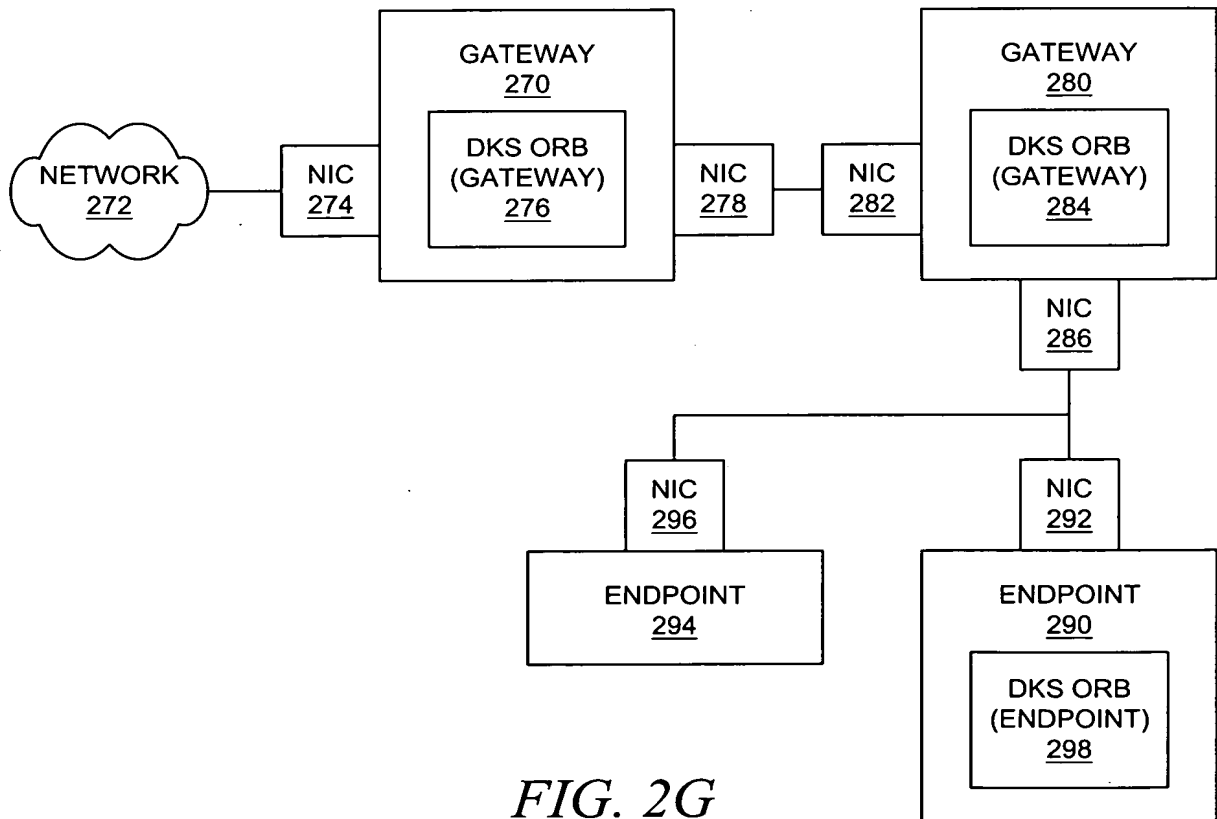


FIG. 2G

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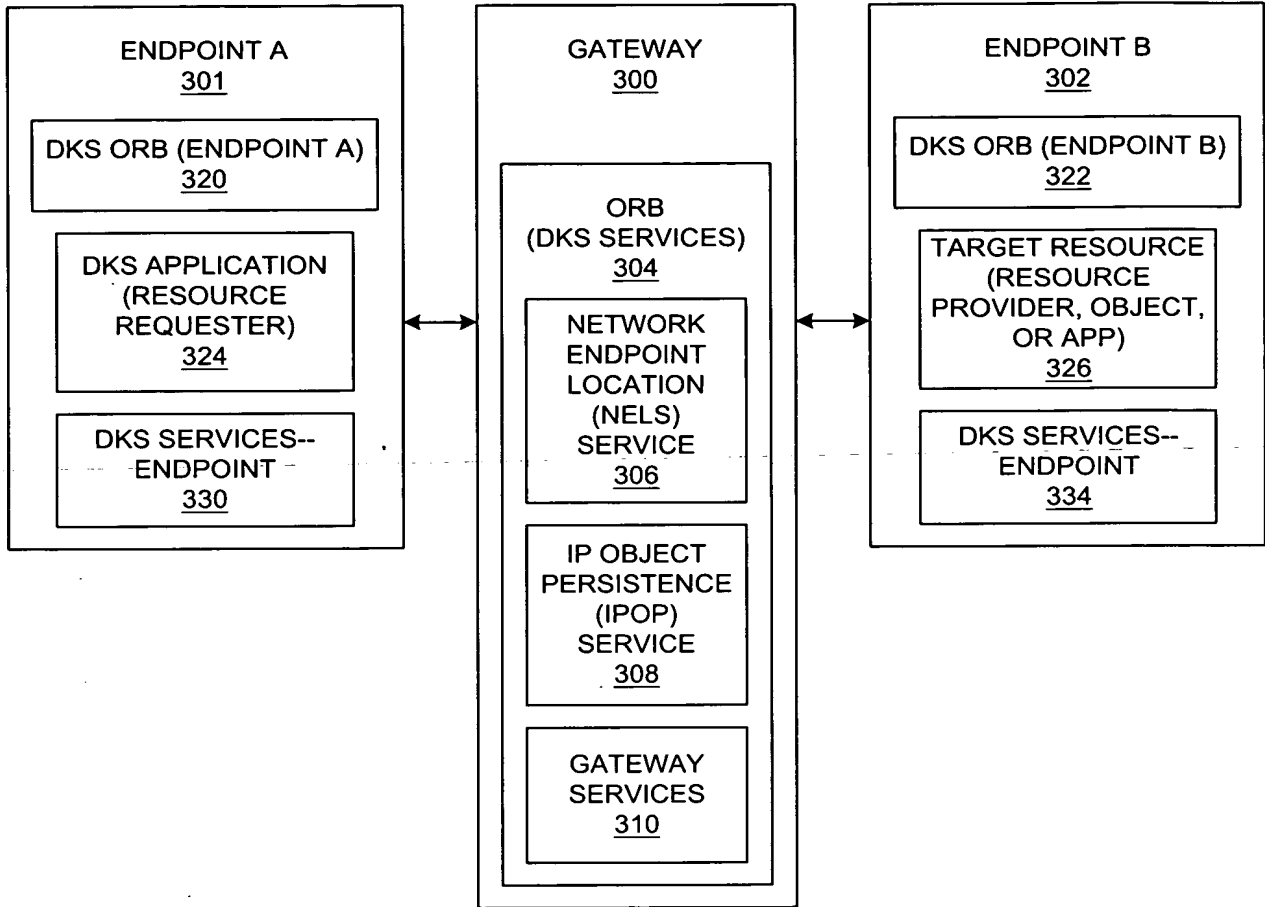


FIG. 3

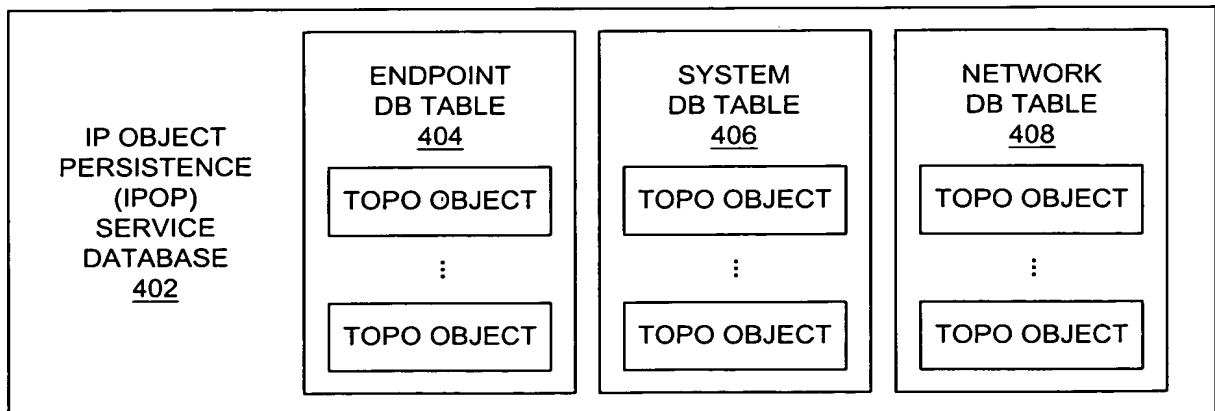


FIG. 4

Method and system for unambiguous addressability in a distributed application framework  
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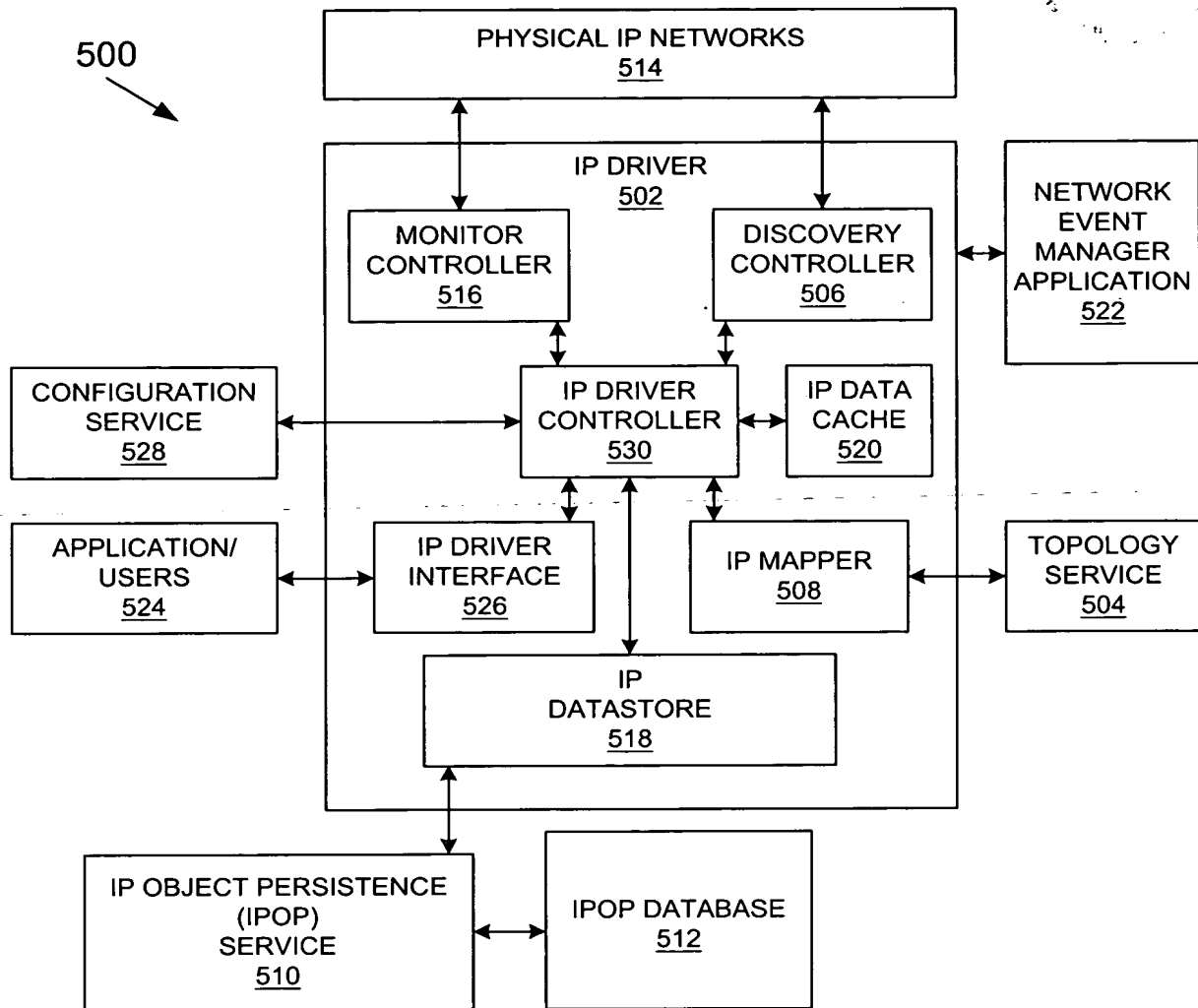


FIG. 5A

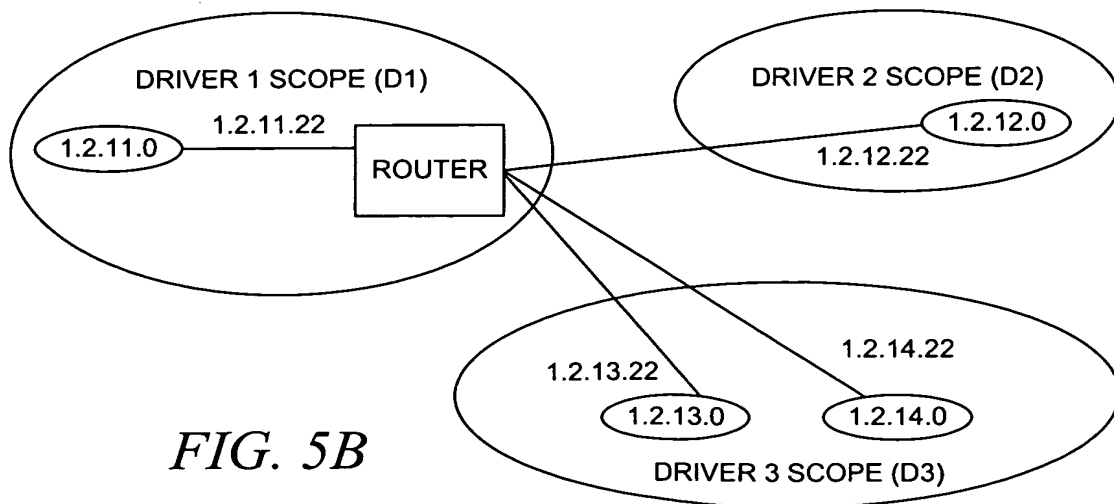


FIG. 5B



Method and system for unambiguous addressability in a distributed application framework  
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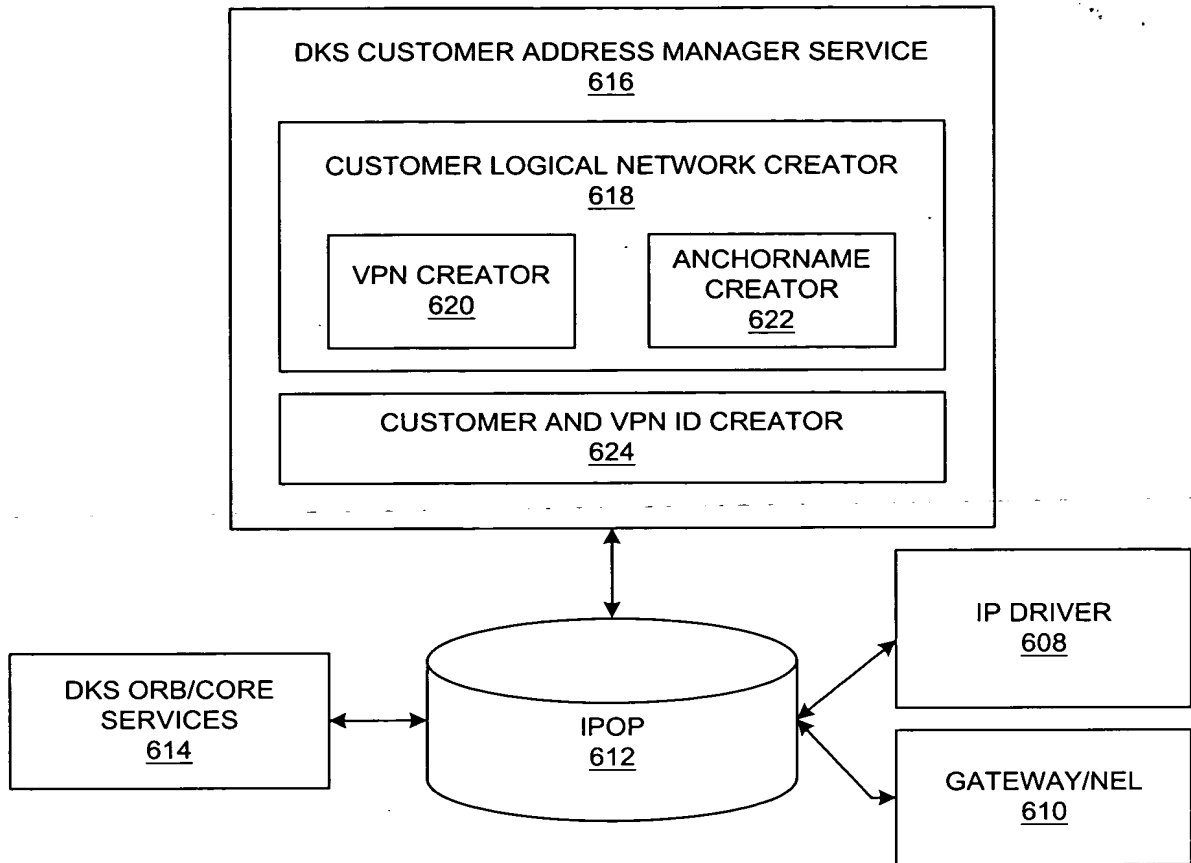


FIG. 6A

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The screenshot shows a window titled "Network Management Application" with standard window controls (minimize, maximize, close). The main content area displays the following information:

NETWORKS REQUIRING VPN CREATION--DUPLICATE ADDRESSES EXIST

PHYSICAL NETWORK ADDRESS: 10.7.205.103 ~ 852  
CUSTOMER ANCHORNAME: AUSTIN\BLDG1 ~ 856  
VPN ID:  ~ 870

PHYSICAL NETWORK ADDRESS: 10.7.205.103 ~ 854  
CUSTOMER ANCHORNAME: AUSTIN\BLDG2 ~ 858  
VPN ID:  ~ 872

At the bottom, there is a checkbox labeled "CHANGE VPN ID FOR ENTIRE SCOPE" (with reference numeral 878) which is checked. To its right are two buttons: "SET" (with reference numeral 874) and "CLEAR" (with reference numeral 876).

FIG. 8

Method and system for unambiguous addressability in a distributed application framework  
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```
Public Class IPActionObject {

    Endpoint sourceEP;
    Endpoint targetEP;

    // CONSTRUCTOR
    IPActionObject( Endpoint targetEP, Endpoint sourceEP ) {
        .
        .
        .
    }
    VOID performAction( ) // EXECUTES ACTION METHOD
    .
    .
}
```

*FIG. 6B*

```
Public Class Endpoint {

    // public variables
    long EObjectID; // ID to object (both private and public network addresses)
    InetAddress EIPAddress; // physical network address (private or public)
    long EPVPN; // virtual private network ID

    //get/set of variables
    public long getObjectID( ) { ... }
    public InetAddress getPAddress( ) { ... }
    public long getVPN( ) { ... }

}
```

*FIG. 6C*

```
Public Class EndpointCustomer extends Endpoint {

    public getVPNGW( ) {
        //gets the only gateway which has access to a particular private network
        .
        .
        .
    }
    //private variables only set/accessed by EP creator IPOP
    long customerHashNumber;
    String customerName;
    String customerAnchorPath;
    Long objectIDofPrivateGatewayRoute

}
```

*FIG. 6D*

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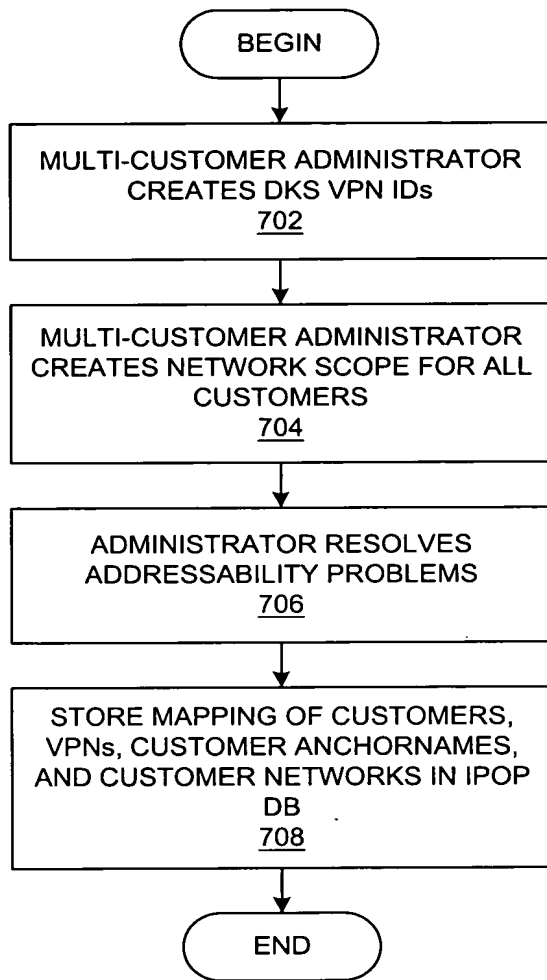


FIG. 7A

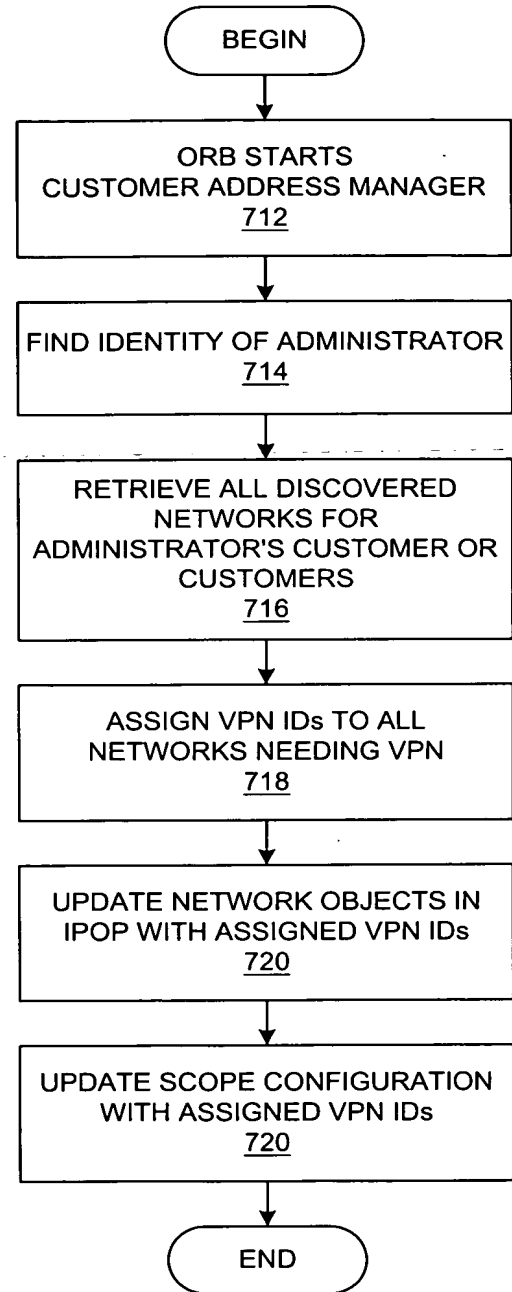


FIG. 7B

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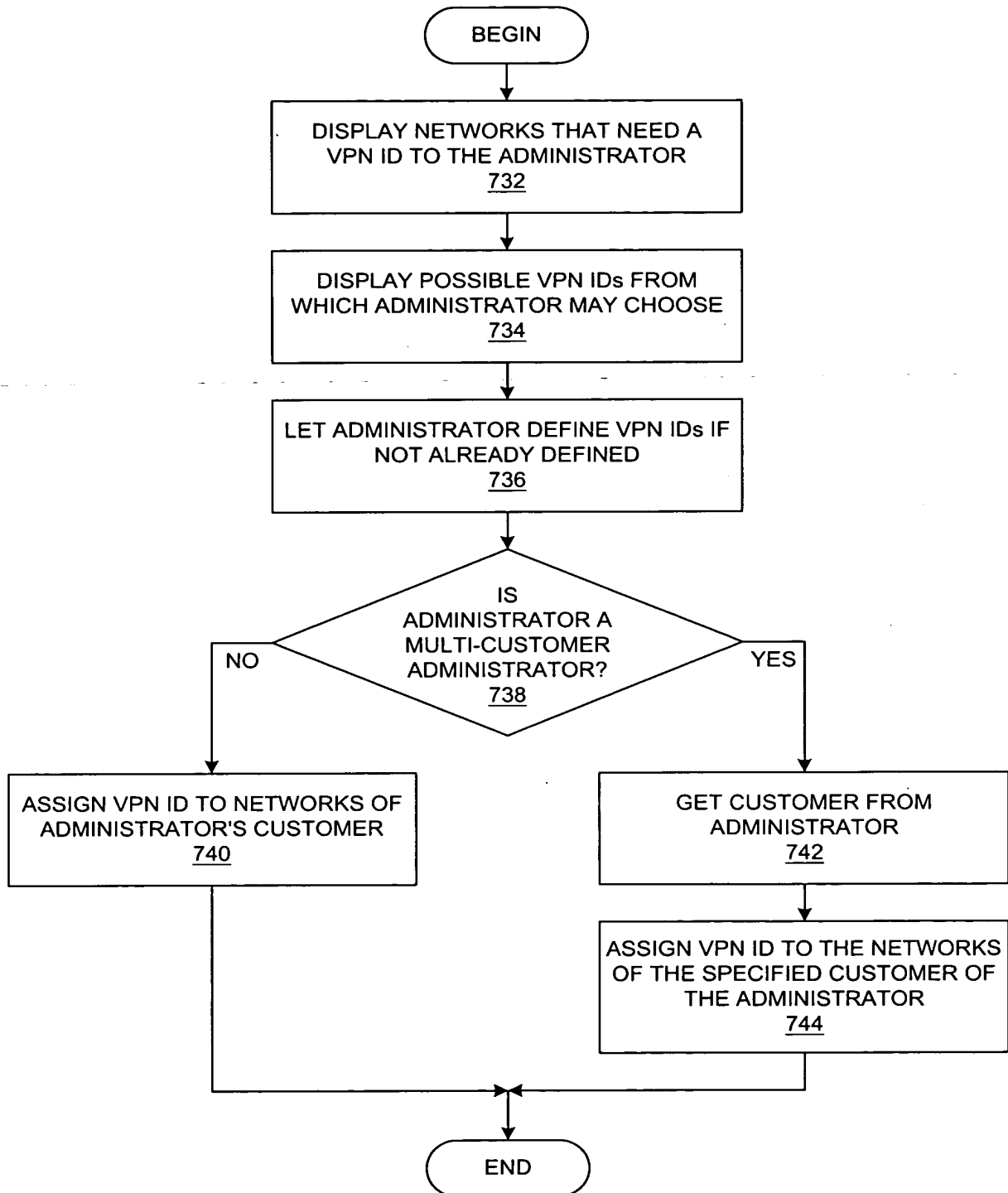


FIG. 7C

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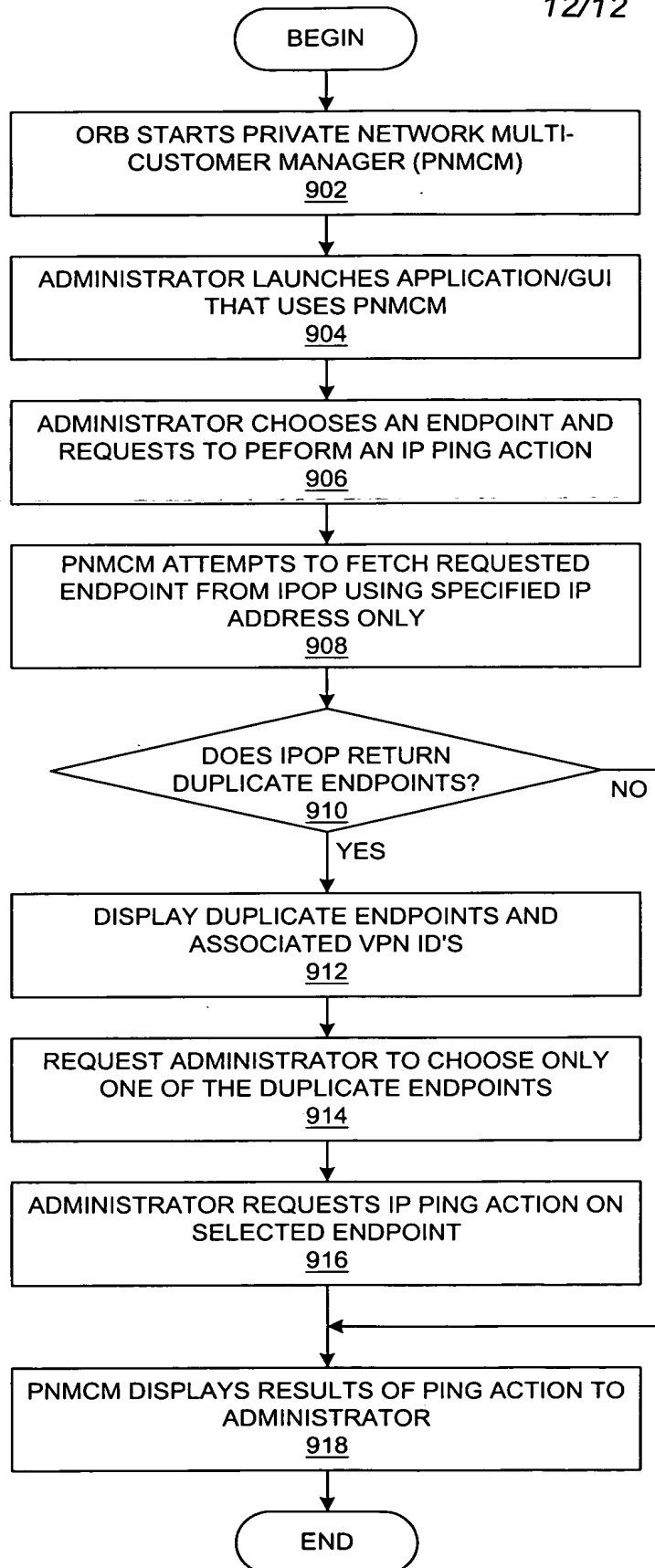


FIG. 9A

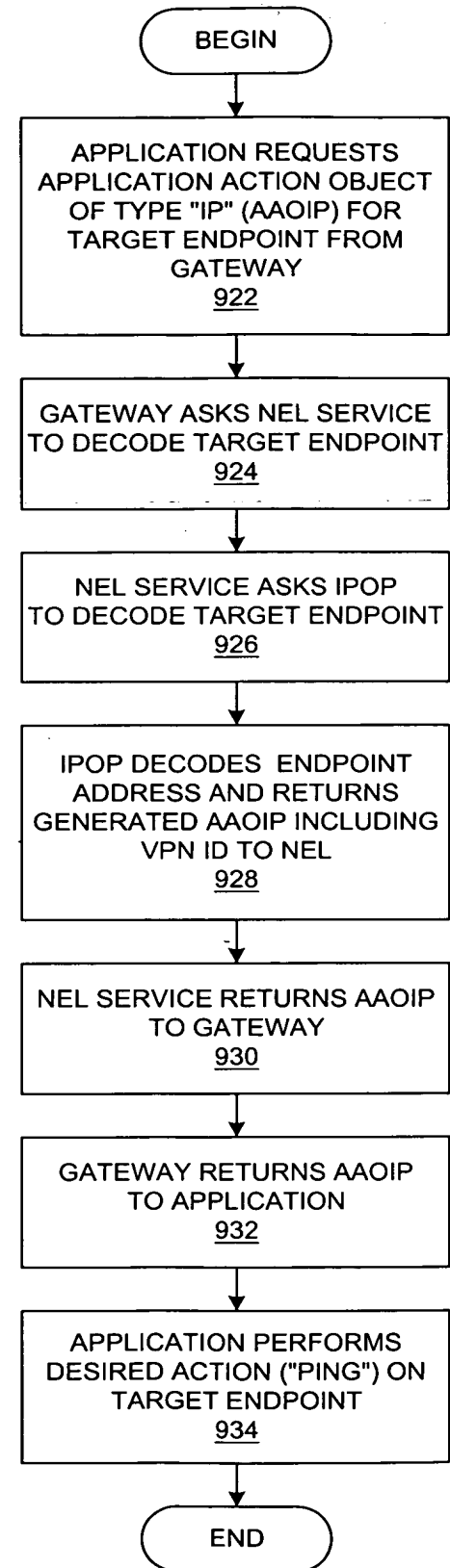


FIG. 9B

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